

ABSTRACT:

Sub Q5
A functional system comprises a set of functions (F) requiring access to a collective resource (RSRC). Such a system can be, for example, a data processing system comprising a plurality of processors requiring access to a collective memory. For reasons of cost it is desirable to guarantee a certain minimum access for one or more functions while a certain degree of flexibility as regards the access is maintained. For this purpose, the system comprises an interface (INT) adapted to implement an access scheme (AS) characterized by a plurality of states (S) passed through in a predetermined manner. A state (S) forms a possibility of access of a given length and defines an order of priority in accordance with which a function (F) can access the collective resource (RSRC).

Figure 10